



National Weather Service

Storm Data and Unusual Weather Phenomena



June 2001

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Killed	Number of Persons Injured	Estimated Damage Property Crops	Character of Storm
<u>CONNECTICUT, Northeast</u>								
Hartford County								
Simsbury	11	1856EST 1859EST			0	0		Hail(0.88)
Hartford County								
Hartford	11	1900EST			0	0	20K	Lightning
Severe thunderstorms produced nickel-sized hail in Simsbury. Lightning struck the roof of a three-story house in Hartford, sparking a fire, and other lightning strikes caused more than 18,000 electric customers to lose power.								
Windham County								
Hampton	17	1454EST 1605EST			0	0		Flash Flood
Torrential rainfall associated with the remnants of Tropical Storm Allison caused a private dam in Hampton to fail, which closed a portion of Route 97. Rainfall totals of 3 to 6 inches were common in Windham County, with as much as 7.20 inches in Pomfret.								
Hartford County								
Granby	20	1745EST			0	0		Thunderstorm Wind (G50)
Hartford County								
Windsor	20	1826EST			0	0		Hail(0.75)
Hartford County								
Manchester	20	1848EST			0	0		Hail(0.75)
Tolland County								
Tolland	20	1858EST			0	0		Hail(0.75)
Hartford County								
Berlin	20	1900EST			0	0	10K	Lightning
Severe thunderstorms downed trees in Granby, and dropped dime sized hail in Windsor, Manchester, and Tolland. Lightning struck a house in Berlin, which set the roof on fire. No injuries were reported.								
Hartford County								
East Hartland	23	1418EST	0.3	80	0	0	20K	Tornado (F0)
Brief F0 touchdown								
An isolated severe thunderstorm, which had a history of producing two tornadoes in northwest Connecticut, also produced a brief F0 tornado as it clipped the extreme northwest portion of Hartford County. The touchdown occurred in East Hartland, where a ground survey indicated a path length of about one-third of a mile and a width of 80 yards. Wind speeds were estimated to have been near 70 mph.								
The fire department in East Hartland reported 8 to 9 inch diameter limbs blown down along Route 179. An antenna was blown off the off of the fire station, and two windows were blown out of the fire house door. A flag pole was picked up and landed in a tree. One eyewitness saw wooden stakes lifted out of a truck, which were swirling in the air. Another person saw large branches rotating in mid air. No injuries were reported.								

MASSACHUSETTS, Central and East

Worcester County								
Princeton	17	1040EST			0	0		Hail(1.50)
Worcester County								
Princeton	17	1041EST 1043EST	0.8	600	0	0	25K	Tornado (F1)
Brief F1 touchdown								



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MASSACHUSETTS, Central and East

Middlesex County

Shirley	17	1115EST			0	0			Thunderstorm Wind (G60)
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Middlesex County

Marlborough to Reading	17	1300EST			0	0	400K		Lightning
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An isolated severe thunderstorm, associated with the remnants of Tropical Storm Allison, moved across northern Worcester and northwest Middlesex Counties. A ground and aerial survey later revealed that a tornado moved through Princeton, and two microbursts occurred in Leominster and Shirley.

The tornado occurred between 1141 am and 1143 am in the Coalkiln Road area, in the southeast portion of the town of Princeton. It was rated as an F1 tornado, with winds between 73 and 112 mph. The path length was three-quarters of a mile and the width was as much as 1700 feet. A hundred or more trees were either uprooted or snapped off. A small camper was severely damaged after being lifted up and dropped on a fallen tree. Another tree fell on a house. No injuries occurred. Eyewitnesses, including a trained Skywarn spotter, observed hail as large as ping pong balls just before the tornado struck. There were no visual sightings of a funnel cloud or tornado, which was likely obscured by heavy rain. This was the first tornado to strike Worcester County since August 10, 1990.

A microburst occurred in the eastern portion of Leominster near Johnny Appleseed Lane, just west of Interstate 190. Damage was seen in an area roughly one-half by one-third of a mile, as evidenced by the pattern of fallen and uprooted trees. Another microburst occurred in Shirley, near the east shore of Lake Shirley to Center Road and Parker Road. A truck was damaged by a fallen tree, while other trees fell on a car and a mobile home. Two chimneys were also toppled.

Torrential rainfall caused street and poor drainage flooding throughout central and eastern Massachusetts, and snarled traffic on Father's Day. Storm totals of 3 to 5 inches were common throughout most of the region. Lightning struck two homes in Middlesex County and caused significant damage. One in Marlborough hit a nearby tree, and traveled into the house through a stone wall, destroying the bathroom. In Reading, lightning struck a 212-year old colonial home at Grove and Forest Streets, setting the roof on fire and causing severe damage.

Hampden County

Blandford	20	1635EST			0	0			Hail(0.88)
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Hampshire County

Chesterfield to Westhampton	20	1650EST 1705EST			0	0			Hail(0.88)
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Hampshire County

South Amherst to Belchertown	20	1720EST 1725EST			0	0			Hail(1.75)
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Hampden County

Ludlow to Palmer	20	1725EST 1750EST			0	0			Hail(1.75)
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Hampden County

Wilbraham to Southwick	20	1732EST 1737EST			0	0			Thunderstorm Wind (G50)
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Worcester County

Hardwick	20	1750EST			0	0			Thunderstorm Wind (G50)
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Worcester County

Princeton	20	1815EST			0	0			Hail(0.75)
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MASSACHUSETTS, Central and East

Worcester County									
Worcester	20	1825EST			0	0			Thunderstorm Wind (G50)
Hampden County									
Monson	20	1835EST			0	0			Hail(0.88)
Middlesex County									
Marlborough to Malden	20	1855EST			0	0			Thunderstorm Wind (G50)
Middlesex County									
Stow	20	1859EST			0	0			Hail(1.75)

Severe thunderstorms swept across much of western, central, and northeast Massachusetts. In Hampden County, hail as large as golf balls fell in Ludlow and Wilbraham, and several trees and power lines were also downed. In Hampshire County, dime to quarter size hail fell in Chesterfield, Westhampton, South Amherst, and Belchertown, while golf ball size hail was reported in Pelham. Thunderstorm winds also downed wires in Belchertown. In Worcester County, trees and wires were downed in Hardwick and Worcester, and dime sized hail fell in Princeton. As the storms reached Middlesex County, golf ball sized hail was reported in Stow, and large trees and wires were downed in Stow, Maynard, Framingham, Hudson, Sudbury, and Malden.

Hampshire County									
Plainfield	30	1457EST			0	0			Hail(0.88)
Hampshire County									
Plainfield to Cummington	30	1530EST			0	0			Hail(0.75)
Franklin County									
Turners Falls	30	1544EST			0	0			Thunderstorm Wind (G50)
Hampden County									
Chester	30	1608EST			0	0			Thunderstorm Wind (G50)
Hampshire County									
Worthington Corners	30	1608EST			0	0			Thunderstorm Wind (G50)
Hampden County									
Chester	30	1611EST			0	0			Hail(0.88)
Worcester County									
Barre	30	1630EST			0	0			Thunderstorm Wind (G50)
Hampshire County									
Granby	30	1635EST			0	0			Hail(0.75)
Middlesex County									
Wilmington to Littleton	30	1635EST 1640EST			0	0			Thunderstorm Wind (G50)
Hampshire County									
South Hadley	30	1640EST			0	0			Thunderstorm Wind (G50)
Worcester County									
Sterling	30	1640EST			0	0			Thunderstorm Wind (G54) ^M
Hampden County									
Ludlow	30	1645EST			0	0			Thunderstorm Wind (G50)
Essex County									
Lynnfield	30	1658EST			0	0			Thunderstorm Wind (G50)
Middlesex County									
Reading	30	1658EST			0	0			Thunderstorm Wind (G50)



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					Killed	Injured	Property	Crops	
<u>MASSACHUSETTS, Central and East</u>									
Essex County									
Peabody to Beverly	30	1700EST 1710EST			0	0			Hail(0.75)
Worcester County									
Shrewsbury	30	1720EST			0	0			Thunderstorm Wind (G50)
Essex County									
Peabody to Marblehead	30	1725EST 1730EST			0	0			Thunderstorm Wind (G55)
Worcester County									
Auburn	30	1730EST			0	0	15K		Lightning
Worcester County									
Westborough to Southborough	30	1730EST 1745EST			0	0			Thunderstorm Wind (G50)
Middlesex County									
Wakefield	30	1740EST			0	0			Thunderstorm Wind (G50)
Norfolk County									
Millis	30	1800EST			0	0			Thunderstorm Wind (G50)
Middlesex County									
Holliston	30	1815EST			0	0			Thunderstorm Wind (G50)
Norfolk County									
Bellingham	30	1820EST			0	0			Hail(1.25)
Norfolk County									
Medway to Sharon	30	1820EST 1835EST			0	0			Thunderstorm Wind (G50)
Worcester County									
Mendon	30	1820EST			0	0			Hail(1.00)
Norfolk County									
Bellingham	30	1825EST Brief F0 touchdown	0.1	80	0	0			Tornado (F0)
Norfolk County									
Norwood	30	1850EST			0	0	10K		Lightning
Norfolk County									
Walpole to Norwood	30	1856EST			0	0			Thunderstorm Wind (G50)
Norfolk County									
Walpole	30	2005EST			0	0			Thunderstorm Wind (G50)
Plymouth County									
Whitman	30	2030EST			0	0	32K		Lightning
Worcester County									
Hopedale	30	2035EST			0	0			Thunderstorm Wind (G50)

The most widespread severe weather event of the season struck most of the Bay State, with countless reports of downed trees, branches, and large hail from the east slopes of the Berkshires into metro Boston and the North Shore.

The storms began in Franklin, Hampshire, and Hampden Counties around mid afternoon, and downed trees in Turners Falls, Worthington, and Chester. Dime to nickel sized hail was also reported. Severe weather reports became more numerous by late afternoon as the storms reached central and northeast Massachusetts. There many reports of large trees down from Littleton, Wilmington, Southborough, Shrewsbury and Sterling, where a spotter recorded a gust to 62 mph. In Essex County, severe thunderstorms downed trees and dropped dime sized hail in Lynnfield, Peabody, Beverly, and Marblehead.

More severe thunderstorms erupted in Worcester County during the evening, dropping quarter sized hail in Mendon. These storms tracked into southern Middlesex County near Holliston, where large limbs were downed, then reached Norfolk County where more considerable storm damage occurred. A microburst downed many large trees and wires in Bellingham, Millis, and Medway. A survey of the debris and an eyewitness account also confirmed that a small F0 tornado touched down in Bellingham around 725 pm



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MASSACHUSETTS, Central and East

EDT. The tornado was estimated to have a path length of 150 yards and a width of 80 yards. Wind speeds were estimated near 70 mph. There were no injuries. Spotters reported hail as large as a half dollar prior to the wind damage. As the storms progressed across Norfolk County, trees and power lines were downed in Sharon, Walpole, and Norwood. Another severe thunderstorm later in the evening downed trees onto a road in Walpole and another on a house

The storms also contained frequent cloud-to-ground lightning. Tens of thousands were left without power. In Auburn, lightning caused two house fires when a nearby transformer was struck. In Whitman, a house fire started by a lightning strike on the second floor. Police and fire communications were temporarily disrupted when lightning struck an antenna in Norwood.

NEW HAMPSHIRE, Southern

Cheshire County									
Alstead	20	1435EST			0	0			Hail(1.00)
Hillsborough County									
Weare	20	1500EST			0	0			Hail(1.00)
Hillsborough County									
Antrim to Bennington	20	1521EST 1526EST			0	0			Hail(1.75)
Severe thunderstorms dropped quarter sized hail in Alstead and Weare, and golf ball sized hail in Bennington.									
Cheshire County									
Swanzy	30	1512EST			0	0			Thunderstorm Wind (G50)
Hillsborough County									
Litchfield	30	1635EST			0	0			Thunderstorm Wind (G50)
Severe thunderstorms downed large limbs on Route 32 in Swanzy, and downed trees and wires in Litchfield.									

RHODE ISLAND

Providence County									
Providence	11	2200EST			0	0	10K		Lightning
Washington County									
Charlestown	11	2300EST			0	0	10K		Lightning
Washington County									
Narragansett Pier	11	2305EST			0	0			Thunderstorm Wind (G50)
A severe thunderstorm downed several large trees in South Kingstown. Lightning from thunderstorms that evening struck the radio tower of the East Providence Police Department, as well as the Charlestown Rescue Squad.									
Providence County									
Foster	17	1240EST			0	0	150K		Lightning
Providence County									
Foster to Woonsocket	17	1552EST 1700EST			0	0			Flash Flood

Torrential rainfall associated with the remnants of Tropical Storm Allison resulted in flash flooding throughout Providence County. In Foster, two roads were washed out when runoff carved gulches into the roadways. In Woonsocket, the foundations of two buildings were washed out. Several roads in Providence and Coventry were either flooded or washed out as well. Storm totals of 3 to 6 inches were common throughout northern Rhode Island, with as much as 7.10 inches in North Smithfield. Lightning struck a log house in Foster which ignited a fire, and completely destroyed the home.



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Location	Date	Time	Path	Path	Number of		Estimated		Character of Storm
		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

RHODE ISLAND

Providence County

Woonsocket	30	1836EST 1853EST			0	0			Hail(1.00)
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Providence County

Woonsocket	30	1853EST			0	0			Thunderstorm Wind (G50)
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Providence County

Burrillville to Glocester	30	1950EST 1955EST			0	0			Thunderstorm Wind (G50)
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Severe thunderstorms dropped dime to quarter sized hail in Woonsocket, and downed trees and large branches in Woonsocket, Burrillville and Glocester.